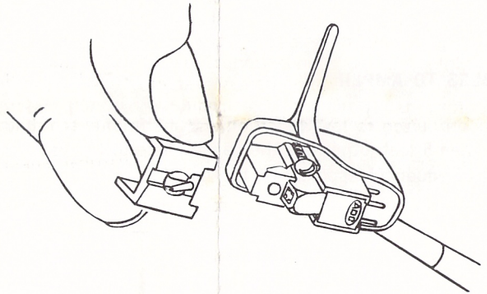
STYLUS INSTALLATION

Stylus assembly for the ADC 10E-MK IV Stereo Pickup Cartridge is designed to lock into proper position when brought proximal to permanent magnet of cartridge body.



A slight push to assure seating is advisable. Care must be taken not to harm the delicate stylus when installing or otherwise handling.

WARRANTY

This ADC cartridge is guaranteed to be free from manufacturing defects for a one year period from the date of factory shipment. During that time, should a defect occur, the unit will be repaired or replaced without cost. The enclosed warranty card should be filled out and returned to us within 10 days of purchase, otherwise the warranty will not apply. This warranty covers neither stylus wear, nor damage caused by accident or mishandling.

ADC SERVICE OFFER

There are times when a stylus may be accidentally damaged, and a nominal charge will be made for any such damage which is not covered by the terms of our warranty. Provided the diamond stylus is in good condition, the defective unit will be repaired upon receipt of both the defective stylus and a check to cover the service cost. The check and defective stylus should be sent to the CUSTOMER SERVICE department of Audio Dynamics at the address shown below.

THE CHARGE FOR SERVICING THE R-15E STYLUS IS $14.00, PLUS 50¢ FOR POSTAGE AND HANDLING. OFFER GOOD ONLY IN THE CONTINENTAL U. S.

AUDIO DYNAMICS CORPORATION

PICKETT DISTRICT ROAD, NEW MILFORD, CONNECTICUT 06776

Audio Dynamics Corporation reserves the right to change the design or specification and/or to make any improvements or additions in any of its products without being obligated to incorporate such changes in its products previously manufactured.

0755-2

Printed in U.S.A.

ADC 10E MK IV

SPECIFICATIONS STEREO CARTRIDGE — ELLIPTICAL STYLUS

Type	Induced Magnet*
Output	4 mv at 5.5 cms/sec. recorded velocity
Tracking Force	.7 gms.
Frequency Response	10 Hz to 20 kHz ± 2 db
Channel Separation	30 db from 50 Hz to 12 kHz
Compliance	35 x 10^{-6} cms/dyne
Elliptical Stylus Tip	Contact radius: .0003"; lateral radius: .0007"
IM Distortion	Less than ½% – 400 & 4000 Hz at 14.3 cms/sec. recorded velocity
Vertical Tracking Angle	15 degrees
Recommended Load Impedance	47,000 ohms nominal

ADC also manufactures other high quality Audio Components including Loudspeaker Systems, Solid State Receivers and Amplifiers.

* Manufactured under one or more of the following Patents — United States 3,134405, Canada 764041, Japan 824184, United Kingdom 1092734, Australia 278924

The ADC 10E-MK IV is among the finest in a renowned line of cartridges designed and built by the world's foremost quality pickup manufacturer. Using the unique "induced magnet" principle, it combines minute stylus tip mass and high compliance, resulting in unparalleled performance.

There are three major reasons why this cartridge is superior:

1. With the "induced magnet" arrangement, the stylus does not move a cumbersome permanent magnet; instead, this heavy magnet is fixed, and the magnetism is induced into a tiny soft iron collar, weighing far less than the conventional moving magnet, and this collar in turn moves between the pole pieces. By using this principle, it is possible to reduce the mass of the moving system to a minimal value and significantly increase the stylus compliance, thus allowing the stylus to accurately follow the intricate modulation of the record groove. This is the greatest contribution to low distortion and minimum record wear.

2. Since modern records are cut to the 15° vertical angle of the cutting stylus, the ADC 10E-MK IV cartridge stylus assembly has been designed to comply with this modern recording technique, and playback with the same 15° vertical tracking angle.

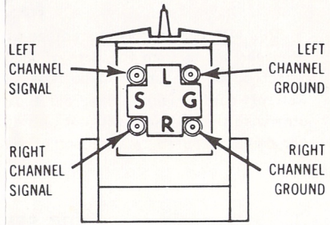
3. The stylus itself is a tiny elliptical diamond which has been ground and polished to a lateral radius of .7 mil, (.0007 inches) and a contact radius of .3 mil, (.0003 inches). These tightly held dimensions contribute to the superior tracking ability and the lowest possible distortion in record playback.

There is no doubt that this design represents the state of the art in high fidelity cartridges, and its genuine, effortless reproduction is a new experience in sound quality. The performance is indeed second to none.

INSTALLATION

The cartridge is mounted in the tone arm by means of the two #3-48 screws that are supplied.

CAUTION: Do not solder leads to push on terminals while they are mounted on the cartridge terminal pins. The heat may cause permanent damage to the cartridge.



FOR USE IN RECORD CHANGERS AND TONE ARMS

Only changers and arms of the highest quality are compatible with this cartridge, and the tracking pressure of the tone arm should be set at .7 gram for satisfactory results. It is important to be sure that the arm can operate properly at such pressures before installing cartridge.

Drag in either the lateral or vertical bearings of the tone arm should be minimal, and care should be taken to ensure the tone arm leads exert no drag in any way.

Use of tracking pressures of one gram or less should only be attempted in tone arms of the highest quality.

GROUNDING

This ADC stereo cartridge is fully shielded against stray hum fields. However, hum can still be introduced in the system by incorrect grounding of the tone arm and turntable. The tone arm body and turntable should be individually connected to the amplifier ground terminal or chassis. This ground point should preferably be close to the pickup input ground.

PICKUP CABLES TO AMPLIFIER

The insulated, shielded cables that connect the tone arm and amplifier should be no longer than 5 feet, otherwise the capacitance of the cable will start to attenuate the high frequency response of the cartridge.